

IP telegram description

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TecControl

TecControl turns your PC or touch panel into the actuator of your smart home.

Start any program automatically or via your visualization, play sounds and music, and much more.

You can send all commands via our free TecTool logic modules for Gira Home/FacilityServer. Download at: www.SmartHomeTools.de

Basic telegrams

"TecControl;Restart"	Performs a restart.
"TecControl;Shutdown"	Shuts down the relevant system.
"TecControl;Standby"	Sets the system to standby.
"TecControl;Hybernate"	Puts the system into standby mode.
"TecControl;DisplayOn"	Activates the display.
"TecControl;DisplayOff"	Switches the display off.
"TecControl;Sound;test.wav "	Plays a .wav file in the Sounds folder.

All commands from the **"Plus"** scope are listed below:

Program control

"TecControl;Program;c:\program\text.exe"	Starts any program.
"TecControl;Program;c:\program\text.exe;/f/a"	Passes additional parameters.

Sound control

"TecControl;Sound;test.mp3" folder.	Controls an .mp3 file in the Sounds
"TecControl;Sound;test.mp3;Stop"	
"TecControl;Sound;test.wav ;Start"	Plays the sound as a continuous loop.
"TecControl;Sound;test.wav ;Stop"	Stops the continuous loop.
"TecControl;Volume;80"	Sets the Windows system volume.

Window control

Control any windows/programs in Windows. The window name does not have to be entered in full. The first window that matches will be controlled accordingly. Therefore, the more exact the window name, the more reliable the control.

"TecControl;window;fetch;<window title>"

"TecControl;window;minimize;<window title>"

"TecControl;window;maximize;<window title>"

"TecControl;window;normal;<window title>"

"TecControl;window;restore;<window title>"

"TecControl;window;close;<window title>"

Further commands

"TecControl;Keyboard"

Starts the on-screen keyboard.

"TecControl;Ping"

The TecTool immediately responds to this command with a UDP telegram "PingAntwort" to the sender IP address. The port corresponds to the set +1. "Device monitoring" must be activated in the TecTool. A corresponding template for the Gira HomeServer can be found in our download area.

"TecControl;DisplayBrightness;100"

Sets the brightness of the monitor. A value of 0-100 is possible.

"TecControl;TTS;<text>;<voice>"

Speaks the text specified in the "Text" placeholder. The voice installed in the system can be selected with "Voice". Default = 1.

"TecControl;Design;<0/1>"

Controls the background of the Visu Starter start screen between black and white when the Gira QuadClient visualization is set.

TecControl;BatteryInfo "

The TecTool responds to this command with:
"AkkuAntwort;<Charge in %>;<remaining term in minutes>;<on the charger 1/0>" and can be used, for example, to extend the service life of a battery in touch panels/notebooks/tablets by controlling the charger via a switching actuator.

„TecControl;WindowsKeyOn“

Activates the window key.

„TecControl;WindowsKeyOff“

Deactivates the window key.

„TecControl;SwipeGesturesOn“
„TecControl;SwipeGesturesOff“

Activates the swipe gestures.
Deactivates the swipe gestures.

„TecControl;WriteProtectionOn“
„TecControl;WriteProtectionOff“

Activates the write protection.
Deactivates the write protection.

Remote software commands

AnyDesk and TeamViewer are possible. In the following examples, AnyDesk can also be replaced by TeamViewer. The corresponding "RemoteSoftware" must be selected in the TecTool.

"AnyDesk;Query"

The TecTool responds to this command immediately with a UDP telegram "AnyDeskAntwort:<1 or 0>" to the sender IP address, depending on the status of the Windows service. The port corresponds to the set +1.

"AnyDesk;On"

Activates the Windows service of AnyDesk. The TecTool responds to this command immediately with a UDP telegram "AnyDeskAntwort:<1 or 0>" depending on the status of the Windows service as feedback to the sender IP address. The port corresponds to the set +1. The "RemoteSoftware" must be selected in the TecTool.

"AnyDesk;Off"

Deactivates the Windows service of AnyDesk and **prevents remote access** via the program. The TecTool responds to this command immediately with a UDP telegram "AnyDeskAntwort:<1 or 0>" depending on the status of the Windows service as feedback to the sender IP address. The port corresponds to the set +1. The "RemoteSoftware" must be selected in the TecTool.

TecMessage

The telegram is structured as followed:

TecMessage;<Tt>;<Mt>

TecMessage;<Tt>;<Mt>;<Td>

TecMessage;<Tt>;<Mt>;<Tc><Ttc><Mc><Mtc>

Standard

Transfer design

Design definition

<Tt>

Title text

The desired text in the title bar is transferred here, e.g. "Alarm".

<Mt>

Message text

The message text is displayed in the main window of the pop-up.

<Td>

Temporary design

If an individual message is to be displayed in a different design than the one set in the tool, this can be transferred at the end. The following values are currently available:

"TecS"	Design TecSupport
"GnSw"	Design Gira QuadClient - old design
"WsBl"	Design white/blue
"Alert"	Design red for e.g. alarms
"QCschwarz"	Design Gira QuadClient black - New design
"QCweiss "	Design Gira QuadClient white - New design

<Tc>

Title color

Defines the background color of the title bar. The color is transferred as a HEX value.

<Ttc>

Title text color

Defines the text color of the title bar. The color is transferred as a HEX value.

<Mc>

Message window color

Defines the color of the text window. The color is transferred as a HEX value.

<Mtc>

Message window text color

Defines the text color of the text window. The color is transferred as a HEX value.

The display is activated with every TecMessage pop-up!

PLUS features

These include the display of very long texts by automatically displaying a **scroll bar** for overlong text, as well as complete **freedom from advertising** in all pop-up messages. In addition, **line breaks** can be inserted into the text by using an * (asterisk).

Examples

Standard

Simple pop-up in the selected design

"TecMessage;Note;Motion detected in yard"

Transfer design

Alarm popup with transferred design

"TecMessage;Attention;Burglar alarm front door;Alert"

Design definition

Popup with free design

"TecMessage;Weather warning;It's below 3 degrees Celsius this morning;#000088;#000000;#0088FF;#000000"

TecMessage PLUS

Ad-free, line break, long text

*"TecMessage;Advanced functions;A *new line* is created here. You can also write text of any length, e.g. instructions, in a message."*

Example - powered by SmartHomeTools

With the "TecMessage" feature of our TecTool, you can display any amount of text in a popup.

If required, you can insert a new line

at any point or use the PLUS extension to write as much text as you like until a scrollbar is displayed. Perfect for explanations...

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OK

You can find colors as HEX values here: https://en.wikipedia.org/wiki/Web_colors.

TecStick

TecStick;<MODUS>;<BYTE-R>;<BYTE-G>;<BYTE-B>;<OPTION>

<MODUS>

The mode defines the type of color display.

Four types are currently available:

LEDAus

The stick is switched off.

LEDLeuchten

Permanently lit

LEDBlinken

Flashing

LEDPulsieren

Alternative flashing through soft dimming.

<BYTE-R>;<BYTE-G>;<BYTE-B>

These three 1-byte positions define the desired color and are NOT transferred with the "LEDAus" mode.

<OPTION>

This last digit can be used to change the flashing speed in "LEDBlinken" mode. If the value is not transferred, 500ms is set. The possible setting range is between 50 and 1500ms.

Examples

TecStick;LEDAus

LED Off.

TecStick;LEDLeuchten;255;255;255

LED lights up in bright white.

TecStick;LEDBlinken;127;0;0

LED flashing in red with 50% brightness.

TecStick;LEDBlinken;74;4;123;50

Very fast flashing in purple.

TecStick;LEDPulsieren;123;4;74

Pulsing in pink .

Compatible Blinksticks

Nano, Square and Strip.

Gira HomeServer logic module

The logic modules are very easy to use. TecControl has a basic module that is connected to the function modules. Some of these, such as sound, program and window, can be connected multiple times.

SmartHomeTools.de 010			
TecTool/TecControl Basis (v3.3 - www.TecSupport.de)			
192.1...	E01 IP Adresse/Hostname	A01 Debug	...
49998	E02 Port		
...	E03 Direktbefehl		
0	E04 Neustart	A02 Erweiterungen E01	0
0	E05 Herunterfahren		
0	E06 Monitor ein/aus		
0	E07 TecTool Überwachung ein/aus	A03 Status TecTool Online	0
60	E08 Zyklus in Sekunden	A04 Status TecTool Offline	0
0	E09 Tastatur einblenden		
0	E10 QC Design		
0	E11 Display Helligkeit		
0	E12 Systemlautstärke		

SmartHomeTools.de 010			
TecTool/TecControl Sound (v3.2 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve		
test...	E03 Sound Datei		
0	E04 Sound einmalig		
0	E05 Sound Dauerhaft		

SmartHomeTools.de 010			
TecTool/TecControl Fenster (v3.2 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve		
TecTo...	E03 Fenstername		
0	E04 Fenster mini-/maximieren		
0	E05 Fenster normal/wiederherstellen		
0	E06 Fenster holen		

SmartHomeTools.de 010			
TecTool/TecControl Programm (v3.2 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve		
c:\wi...	E03 Programm Pfad		
...	E04 Programm Parameter		
0	E05 Programm starten		

SmartHomeTools.de 010			
TecTool/TecControl Anydesk (v3.2 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve	A02 Fehler	0
1	E03 Überwachung ein/aus	A03 Zustand Überwachung	0
30	E04 Zyklus in Sekunden	A04 Zustand AnyDesk	0
1	E05 AnyDesk ein/aus		

SmartHomeTools.de 010			
TecTool/TecControl TeamViewer (v3.2 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve	A02 Fehler	0
1	E03 Überwachung ein/aus	A03 Zustand Überwachung	0
30	E04 Zyklus in Sekunden	A04 Zustand TeamViewer	0
1	E05 TeamViewer ein/aus		

SmartHomeTools.de 010			
TecTool/TecControl AkkuInfo (v3.2.4 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve	A02 Fehler bei Abfrage	0
1	E03 Abfrage ein/aus	A03 Akkustand Prozent	0
10	E04 Zyklus in Minuten	A04 Restlaufzeit Minuten	0
1	E05 Ladeautomatik	A05 Rückmeldung Laden aktiv	0
100	E06 Schwelle AUS	A06 Steuerung Ladegerät	1
30	E07 Schwelle EIN		

SmartHomeTools.de 010			
TecTool/TecControl TextToSpeech (v3.2.3 - www.TecSupport.de)			
0	E01 Eingang von Basis A02	A01 Debug	...
...	E02 Reserve		
0	E03 Start		
Hallo...	E04 Text		
80	E05 Lautstärke		
1	E06 Stimme		